

**SYSTEM AND METHOD FOR EFFICIENTLY IMPLEMENTING  
A BATTERY CONTROLLER FOR AN ELECTRONIC DEVICE**

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**ABSTRACT OF THE DISCLOSURE**

A system and method for effectively managing operating power for an electronic device may include a battery pack coupled to the electronic device for supplying operating power to the electronic device. A battery controller  
10 may be configured as a single integrated-circuit device to alternately manage the battery pack either in a single-cell implementation or in a dual-cell implementation. The battery controller may include a charge pump device to provide an internal controller power supply for operating the battery controller in the single-cell implementation.

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